

Proposed Claim Amendments for Discussion Purposes Only
Docket No. 13768.109.1 Filed: June 30, 2000 Serial Number: 09/609,269
METHODS AND SYSTEMS FOR DYNAMIC CONVERSION OF OBJECTS
FROM ONE FORMAT TYPE TO ANOTHER FORMAT TYPE BY
SELECTIVELY USING AN INTERMEDIARY FORMAT TYPE

1. (Currently Amended) In a gateway computer system coupled between at least one computer system and at least one remote ~~computer~~-wireless system, a method of the gateway computer system dynamically converting data from a first format as received at the gateway computer system from an originating computer system into a second data format compatible with a remote computer system prior to transmitting the data to the remote ~~computer~~-wireless system so that the remote computer system does not have to convert the data into the second data format, the method comprising:

receiving a message from data in a first data format from an originating computing system that includes data in a first data format and that is intended for a remote wireless system that has an associated telephone number that is addressed to a remote computer system;

examining the message and identifying the telephone number of the remote wireless device, which is included as part of the message;

determining, based in part on the telephone number, that the wireless system only recognizes data in one or more formats that are different than the first data format;

an act of identifying a sequence of format conversion modules that, when executed in sequence, converts the data from the first data format into the a second data format that is recognized by the wireless system, wherein the act of identifying is based on the address telephone number associated with the remote wireless computer system;

an act of converting the data from the first data format into an intermediate data format using a first format conversion module in the sequence of data conversion modules; and

an act of converting the data from the intermediate data format into the second data format using at least two one second format conversion modules module in the sequence of data conversion modules, each of the second format conversion modules converting the data into different formats;

upon converting the data to the second data format, transmitting the data to the remote ~~computer~~-wireless system.

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20. (Currently Amended) In a gateway computer system coupled between at least one originating computer system and at least one remote ~~computer~~-wireless system, a method of the gateway computer system dynamically converting data in a first format as received at the gateway computer system from an originating computer system into a second data format compatible with a remote computer system prior to transmitting the data to the remote ~~computer~~-wireless system so that the remote computer system does not have to convert the data into the second data format, the method comprising the following:

receiving a message from data in a first data format from an originating computing system that includes data in a first data format and that is intended for a remote wireless system that has an associated telephone number that is addressed to a remote computer system;

examining the message and identifying the telephone number of the remote wireless device, which is included as part of the message;

determining, based in part on the telephone number, that the wireless device only recognizes data in one or more formats that are different than the first data format;

~~receiving data in a first data format from an originating computing system that is addressed to a remote computer system;~~

an act of identifying a plurality of sequences of format conversion modules that each, when executed in sequence, converts the data from the first data format into ~~the a~~ second data format comprising a format that the wireless device recognizes, ~~wherein the act of identifying a plurality of sequences includes identifying an address of the remote computer system to which the data is addressed and wherein the act of identifying the plurality of sequences is based on the address~~-telephone number associated with the remote ~~computer~~-wireless system; and

a step for converting the data from the first data format into the second data format using one of the plurality of the sequences of format conversion modules; and

upon converting the data to the second data format, transmitting the data to the remote ~~computer~~-wireless system.

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